PTO/SB/05 (05-03) Approved for use through 04/30/2003. OMB 0651-0032

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UTILITY PATENT APPLICATION **TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

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	Attorney Docket No.	16380-4	
:	First Inventor	Issam Mudawar	
	Title	APPARATUS FOR HEAT TRANSFER AND CRITICAL HEAT FLUX	
	Express Mail Label No.	EL984269964US	

Soo MPEP o		PLICATION ELEMENTS	ADDRI	ESS TO: Mail Stop		n			
1. X Fee Tr (Submit 2. Application See 37 Specific (preferr - Descr - Cross - Stater - Referr or a c - Backg - Brief I - Claim - Abstrate - Abs	ansmit an order to	In [Total Pages 17] angement set forth below) title of the invention ence to Related Applications Regarding Fed sponsored R & D o sequence listing, a table, er program listing appendix of the Invention any of the Invention ption of the Drawings (if filed) scription the Disclosure (35 U.S.C. 113) [Total Sheets 9]	7.	CD-ROM or CD-R in duple Computer Program (Appeleotide and/or Amino Acidoplicable, all necessary) Computer Reader F Specification Sequence i. CD-ROM or Computer Reader F Specification Sequence ii. Paper Statements verifying ACCOMPANYING All Assignment Papers (computer Reader F) Assignment Papers (computer Reader F) Assignment Papers (computer Reader F) Statement (IDS)/PTO-1 Preliminary Amendment Return Receipt Postcar (Should be specifically of Certified Copy of Prioritical Program (Should Prioritical Program (Should Prioritical Program (Should Prioritical Prioritic	is VA 22313-1450 is cate, large table endix) Sequence Substant (CRF) ence Listing on: CD-R (2 copies); g identity of abo PPLICATION ver sheet & doctent	or Ve copies I PARTS ument(s)) ower of ttorney			
name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76 Application Data Sheet. See 37 CFR 1.76 In the prior application, see 37 CFR 1.6. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. Other:									
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:									
	Continuation Divisional Continuation-in-part (CIP) of prior application No.								
Prior application information: For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.									
19. CORRESPONDENCE ADDRESS									
Customer Number or Bar Code Label (Insert Gustomer No. or Attach bar code label here) OR X Correspondence address below									
Name		ifford W. Browning							
Address		ank One Center/Tower		· · · · · · · · · · · · · · · · · · ·		· .			
City		1 Monument Circle, Suite 3700	Indiana	Zip Code	40004 5107				
Country		dianapolis SA	State elephone	<u>Indiana</u> 317-634-3456	Fax	46204-5137 317-637-7561			
Signature	/	Cutto Mark	1		32,201 Date	7-30-2003			

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

___ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$) 750

Complete if Known								
Application Number								
Filing Date	July 30, 2003		-	3-				
First Named Inventor	Issam Mudawar		-					
Examiner Name								
Art Unit								
Attorney Docket No.	16380-4							

METHOD OF PAYMENT (check all that apply)				FEE CALCULATION (continued)					
Check Credit card Money Other None				3. ADDITIONAL FEES					
Order Order				Large Entity Small Entity					
Deposit	23-3030			Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
Account Number	23-3030			1051	130	2051	65	Surcharge - late filing fee or oath	
Deposit Account	Woodard	l emhardt		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
Name The Director is	s authorized t	to: (check all that apply)		1053	130	1053	130	Non-English specification	
I ()	(s) indicated b		verpayments	1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
I= '	• •	e(s) during the pendency of	this application	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	,
	(s) indicated b	elow, except for the filing		1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	,
to the above-id		·		1251	110	2251	55	Extension for reply within first month	q*
4 5 4 6 1 6 5		CALCULATION		1252	410	2252	205	Extension for reply within second month	
1. BASIC F		•		1253	930	2253	465	Extension for reply within third month	
F <u>ee</u> Fee	Fee Fee	Fee Description	Fee Paid	1254	1,450	2254	725	Extension for reply within fourth month	+ 1
	Code (\$) 2001 375	Utility filing fee		1255	1,970	2255	985	Extension for reply within fifth month	
	2002 165	Design filing fee	750	1401	320	2401	160	Notice of Appeal	
1003 520	2003 260	Plant filing fee	 	1402	320	2402	160	Filing a brief in support of an appeal	
1004 750	2004 375	Reissue filing fee		1403	280	2403	140	Request for oral hearing	
1005 160	2005 80	Provisional filing fee		1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1	SUBTOTAL (1) (\$) 7		50	1452	110	2452	55	Petition to revive - unavoidable	
			1453	1,300	2453	650	Petition to revive - unintentional		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE			1501	1,300	2501	650	Utility issue fee (or reissue)		
Taka Okias		Extra Claims below		1502	470	2502	235	Design issue fee	
Total Claims Independent		0** = 0 X		1503	630	2503	315	Plant issue fee	
Claims Multiple Depe	، لـــنا	3** = [0	<u> </u>	1460	130	1460	130	Petitions to the Commissioner	
l ' '		<u> </u>	J =J	1807	50	1807	7 50	Processing fee under 37 CFR 1.17(q)	
Large Entity Fee Fee	Small Entity Fee Fee	Y Fee Description		1806	180	1806		Submission of Information Disclosure Stmt	
Code (\$)	Code (\$)			8021	40	802	1 40	Recording each patent assignment per property (times number of properties)	
1202 18 -1201 84	2202 2201 4	 9 Claims in excess of 20 12 Independent claims in 		1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))	
1203 280	2203 14	·- ·		18 _, 10	750	2810	375	For each additional invention to be	
1204 84	2204 4	2 ** Reissue independer	nt claims	400	756			examined (37 CFR 1.129(b))	
l		over original patent	20	1801	750	2801		Request for Continued Examination (RCE)	
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent				1802	900	1802	900	Request for expedited examination of a design application	
SUBTOTAL (2) (\$) 0				Other fee (specify)					
**or number previously paid, if greater; For Reissues, see above					iced by	Basic I	Filing F	ee Paid SUBTOTAL (3) (\$) 0	

SUBMITTED BY				(Complete	(if applicable)	
Name (Print/Type)	Clifford W. Browning	Registration No. (Attomey/Agent)	32,201	Telephone		
Signature	lupp new	nun		Date	July 30, 2003	

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